



US00D762506S

(12) **United States Design Patent**  
**Windstrup et al.**

(10) **Patent No.:** **US D762,506 S**

(45) **Date of Patent:** **\*\* Aug. 2, 2016**

(54) **MOTION SENSOR**

- (71) Applicant: **Greenwave Systems PTE. LTD,**  
Singapore (SG)
- (72) Inventors: **Sonny Windstrup,** Irvine, CA (US);  
**Karl Jonsson,** Irvine, CA (US); **Eric**  
**Scott Micko,** Singapore (SG)
- (73) Assignee: **Greenwave Systems PTE LTD.,**  
Singapore (SG)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/540,774**
- (22) Filed: **Sep. 28, 2015**

**Related U.S. Application Data**

- (63) Continuation of application No. 29/478,518, filed on  
Jan. 6, 2014, now Pat. No. Des. 742,770.
- (51) **LOC (10) Cl.** ..... **10-05**
- (52) **U.S. Cl.**  
USPC ..... **D10/104.1**
- (58) **Field of Classification Search**  
USPC ..... D26/9, 10, 12, 13, 15, 16, 24, 51, 61,  
D26/72, 76, 80, 81, 85, 86, 88, 90, 113, 118,  
D26/119, 120, 122, 128, 129, 138, 143,  
D26/144; D13/180; D10/93, 104.1, 108,  
D10/114; D14/356  
CPC ..... B60Q 1/04; B60Q 1/26; F21S 8/026;  
F21S 8/04; F21V 29/004; F21V 21/02;  
F21V 21/04; F21V 29/2212; F21Y 2101/02;  
H01R 13/5213  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 2,526,606 A \* 10/1950 Gregg ..... H01R 13/447  
174/67
- 2,880,264 A \* 3/1959 Ruskin ..... H01R 13/447  
174/504

(Continued)

**OTHER PUBLICATIONS**

Waterproof Wireless Long Range Network Bridge Access Point WiFi Transmitter Receiver, image post date Jan. 13, 2015, site visited Mar. 10, 2016, (online), <<http://0086cctv.en.made-in-china.com/product/joKnCfEdnTDb/China-Outdoor-5-10-Kilometer-Waterproof-Wireless-Long-Range-Network-Bridge-Access-Point-WiFi-Transmitter-Receiver.html>>.\*

(Continued)

*Primary Examiner* — Kevin Rudzinski

*Assistant Examiner* — Sean D Lough

(74) *Attorney, Agent, or Firm* — Bruce A. Young

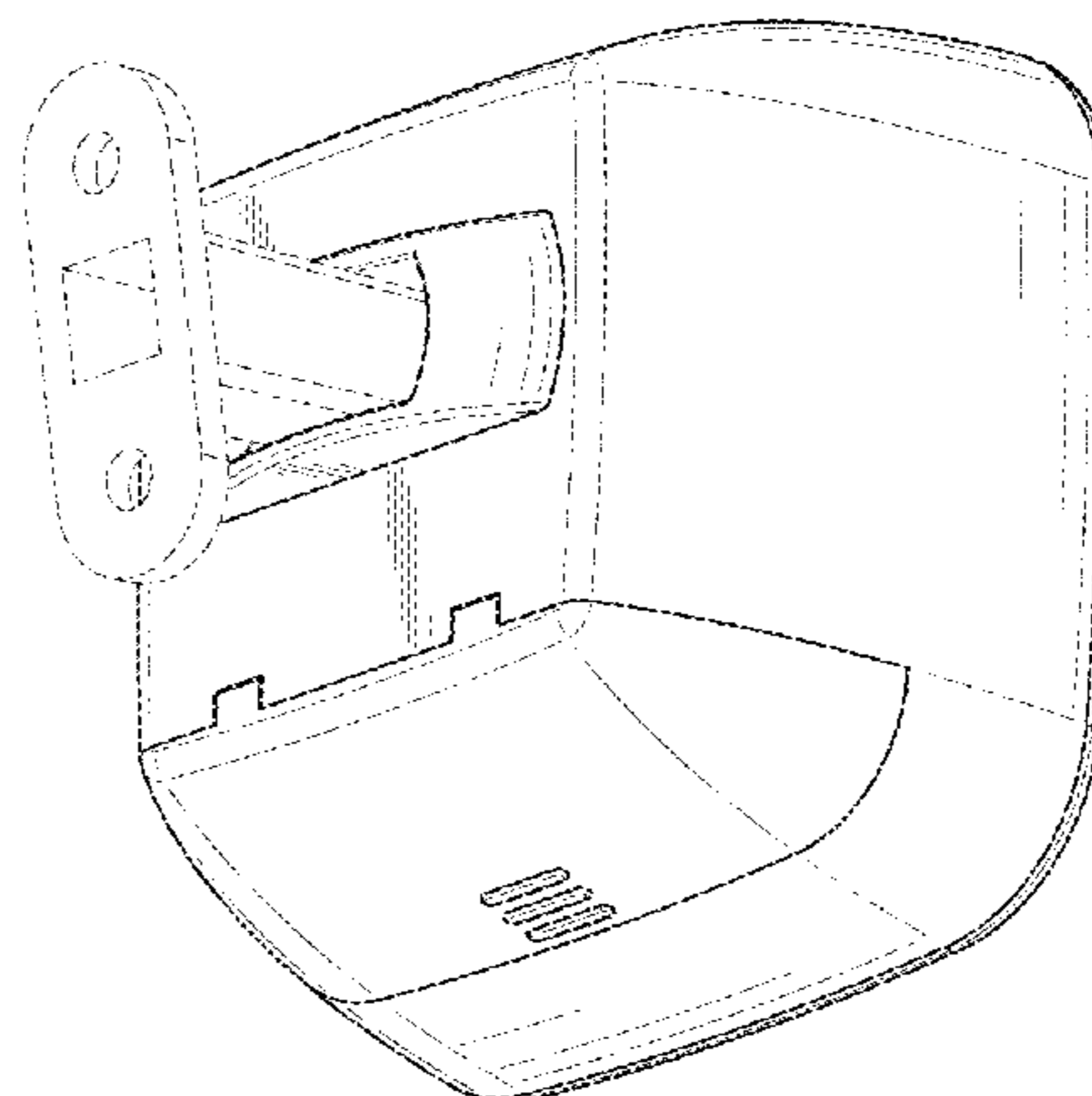
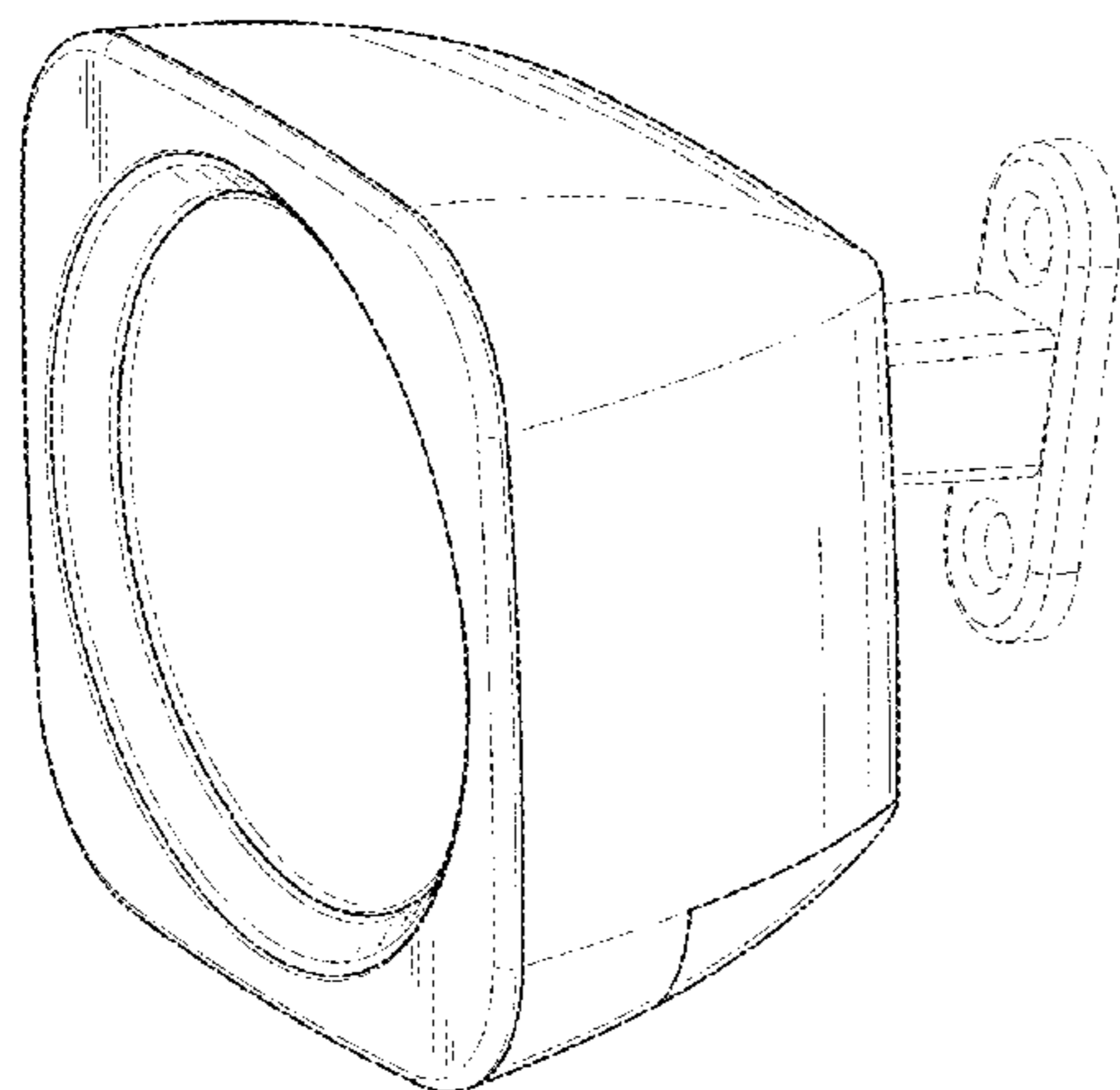
(57) **CLAIM**

The ornamental design for the motion sensor, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, right and top perspective view of the motion sensor with a mount shown as environment in broken lines; FIG. 2 shows a rear, left, and bottom perspective view of the motion sensor with a mount shown as environment in broken lines; FIG. 3 shows a rear, left, and bottom perspective view of the motion sensor; FIG. 4 shows a front plan view of the motion sensor; FIG. 5 shows a rear plan view of the motion sensor with a mount shown as environment in broken lines; FIG. 6 shows a right side elevation view of the motion sensor with a mount shown as environment in broken lines, the left side elevation view of the motion sensor being a mirror image thereof; FIG. 7 shows a top plan view of the motion sensor with a mount shown as environment in broken lines; and, FIG. 8 shows a bottom view of the motion sensor with a mount shown as environment in broken lines. The broken lines present in FIGS. 1, 2, 5, 6, 7 & 8 illustrate environment of the motion sensor that forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

3,832,503 A	8/1974	Crane		7,359,295 B2	4/2008	Nakayama et al.
4,073,105 A	2/1978	Daugherty		D570,300 S	6/2008	Weinberg
D271,684 S	12/1983	Berry, Jr.		D570,348 S *	6/2008	Turpault ..... D14/385
D294,346 S	2/1988	Holmes		7,401,935 B2	7/2008	Vanderschuit
D296,440 S	6/1988	Smith et al.		D574,332 S	8/2008	Filban et al.
D301,331 S *	5/1989	Rhodin .....	D13/107	D574,834 S	8/2008	Chen
D306,583 S *	3/1990	Krolopp .....	D13/184	D575,775 S	8/2008	Sekine
D306,998 S	4/1990	Mintz et al.		7,446,749 B2	11/2008	Lee et al.
D310,063 S	8/1990	Cheng		D583,828 S	12/2008	Li et al.
D315,315 S	3/1991	Stairs		D595,329 S *	6/2009	Sakamaki ..... D16/235
D315,893 S	4/1991	Cheng		D595,646 S	7/2009	Dallaire
5,008,788 A	4/1991	Palinkas		D595,712 S *	7/2009	Guery ..... D14/341
D322,438 S *	12/1991	Skowronski .....	D14/138 R	D596,628 S *	7/2009	Houdek, II ..... D14/240
D326,237 S	5/1992	Gale et al.		D597,543 S *	8/2009	Urban ..... D14/356
5,258,656 A	11/1993	Pawlick		D599,222 S *	9/2009	Bialek-Wester ..... D10/15
5,280,135 A	1/1994	Berlin et al.		D599,753 S *	9/2009	Cho ..... D14/125
D344,901 S	3/1994	Conforti		D603,344 S	11/2009	Pradhan
D344,930 S	3/1994	Schaeffer		D614,150 S	4/2010	Crites
D352,472 S	11/1994	Chen		D615,556 S *	5/2010	Yeo ..... D14/203.3
D356,274 S	3/1995	Ross et al.		D618,240 S *	6/2010	Larmour ..... D14/230
D360,845 S	8/1995	Smith et al.		D618,384 S	6/2010	Chen et al.
D364,350 S	11/1995	Pasquarette et al.		D619,752 S	7/2010	Zhang
D378,200 S	2/1997	Doppelt et al.		7,771,090 B2 *	8/2010	Chang ..... F21V 29/004 361/688
5,650,771 A	7/1997	Lee		D627,800 S *	11/2010	Berning ..... D15/28
5,682,017 A	10/1997	Marrotte		D630,210 S *	1/2011	Andre ..... D14/374
D399,617 S	10/1998	Fujita		7,874,444 B2 *	1/2011	Ashworth ..... F24F 11/0012 174/66
D404,719 S	1/1999	Suzuki		7,915,528 B2 *	3/2011	Ni ..... H01R 13/5213 174/50
D405,376 S	2/1999	Stekelenburg		D635,940 S *	4/2011	Cho ..... D14/125
D406,047 S	2/1999	Scherer et al.		7,918,596 B2 *	4/2011	Frank ..... B60Q 1/32 362/241
D408,823 S	4/1999	Kirby		D637,951 S *	5/2011	Perez ..... D13/108
D424,028 S *	5/2000	Vaiani .....	D13/184	D638,003 S *	5/2011	Chen ..... D14/203.7
D431,489 S *	10/2000	Eckersley .....	D10/114.4	7,935,889 B1	5/2011	Cleghorn
D432,038 S	10/2000	Sasaki et al.		7,961,111 B2	6/2011	Tinaphong et al.
6,133,531 A	10/2000	Hayduke et al.		D641,098 S *	7/2011	Wildner ..... D26/85
D435,246 S	12/2000	Brey et al.		D641,368 S	7/2011	McParland
D437,319 S *	2/2001	Hui .....	D14/355	D644,222 S *	8/2011	Woo ..... D14/365
D442,921 S	5/2001	Bonn		8,013,545 B2	9/2011	Jonsson
D451,218 S	11/2001	Bernier		D647,418 S	10/2011	Miller et al.
D461,804 S *	8/2002	Carey .....	D14/356	D651,978 S *	1/2012	Depping ..... D13/139.6
D469,411 S	1/2003	Decosse		D653,662 S	2/2012	Park et al.
D469,711 S	2/2003	Neufeglise		D654,880 S	2/2012	Lam
D475,370 S	6/2003	Bone et al.		D654,917 S	2/2012	Chaturvedi et al.
D488,138 S	4/2004	Parsadayan et al.		8,130,439 B2 *	3/2012	Handschy ..... G02B 27/1033 359/290
D491,553 S *	6/2004	Cook .....	D14/214	D658,598 S	5/2012	Ling et al.
D492,047 S	6/2004	Dohogne et al.		D661,665 S	6/2012	Windstrup et al.
D492,262 S	6/2004	Murray		D661,698 S	6/2012	Chaturvedi et al.
D496,487 S *	9/2004	Rhee .....	D26/89	D662,847 S *	7/2012	Hecht ..... D10/114.4
6,805,455 B2 *	10/2004	Nielsen .....	B60N 2/4876 359/877	D663,643 S	7/2012	Saikawa et al.
6,806,426 B1 *	10/2004	Gretz .....	H02G 3/14 174/481	D664,130 S *	7/2012	Lee ..... D14/240
D499,656 S	12/2004	Bhavnani		D664,143 S	7/2012	Chaturvedi et al.
D499,976 S *	12/2004	Neufeglise .....	D10/114.4	D664,146 S *	7/2012	Hoehn ..... D14/433
6,891,104 B2 *	5/2005	Dinh .....	H02G 3/14 174/375	D665,347 S *	8/2012	Chen ..... D13/108
D506,845 S	6/2005	Wernimont		D667,005 S *	9/2012	Lutz ..... D14/314
D507,259 S *	7/2005	Taylor .....	D14/214	D671,851 S	12/2012	Treharne et al.
D509,214 S *	9/2005	Chung .....	D14/240	D673,564 S	1/2013	Milliff
D511,020 S *	10/2005	Egawa .....	D26/74	D673,701 S *	1/2013	Davies ..... D26/28
D512,790 S	12/2005	Handsaker et al.		D674,125 S *	1/2013	Davies ..... D26/28
D514,097 S	1/2006	De Leon		D674,524 S *	1/2013	Davies ..... D26/28
D516,236 S *	2/2006	Yeh .....	D26/89	D674,965 S *	1/2013	Lueken ..... D26/120
7,029,153 B2 *	4/2006	Rhee .....	F21S 8/04 362/147	D676,172 S *	2/2013	Podgorschek ..... D26/71
D521,001 S	5/2006	Xiao et al.		D677,635 S *	3/2013	Ling ..... D13/177
D530,325 S	10/2006	Kerila et al.		D677,824 S	3/2013	Maxik et al.
D530,437 S *	10/2006	Neufeglise .....	D26/28	D682,788 S	5/2013	Diehl et al.
D534,285 S	12/2006	Williams		D684,718 S	6/2013	Ko
D535,650 S	1/2007	Wong et al.		D684,957 S	6/2013	Smith et al.
7,241,952 B2	7/2007	Dinh		D685,655 S *	7/2013	Hsu ..... D10/15
7,246,926 B2	7/2007	Harwood		D686,614 S	7/2013	Tan
D554,630 S *	11/2007	Ma .....	D14/240	D691,762 S *	10/2013	Sieczkowski ..... D26/89
D561,114 S	2/2008	Peterson		D694,944 S	12/2013	Rhodes
D562,317 S	2/2008	Lagerberg et al.		D695,238 S	12/2013	Diehl et al.
D565,298 S *	4/2008	Braun .....	D3/273	D695,727 S	12/2013	Shimizu
				D699,179 S *	2/2014	Alexander ..... D13/103
				D699,758 S *	2/2014	Lavin ..... D14/496
				D701,636 S	3/2014	Maxik et al.

(56)

## References Cited

## U.S. PATENT DOCUMENTS

D703,156	S	4/2014	Parsons et al.	
D703,157	S *	4/2014	Parsons	D13/164
D703,158	S	4/2014	Parsons et al.	
D703,619	S	4/2014	Wilkins	
D705,160	S *	5/2014	Ormesher	D13/108
D705,170	S	5/2014	Diehl et al.	
D705,978	S	5/2014	Rhodes	
8,724,046	B2	5/2014	Que	
D706,249	S *	6/2014	Holzer	D14/240
D707,640	S *	6/2014	Li	D13/174
D707,680	S *	6/2014	Akana	D14/433
D711,359	S *	8/2014	Marzynski	D14/240
D716,748	S *	11/2014	Wang	D14/138 G
D719,153	S *	12/2014	Lim	D14/356
D719,939	S *	12/2014	Liang	D14/240
D720,304	S	12/2014	Haug et al.	
D724,777	S *	3/2015	Curran-Blaney	D26/118
D725,612	S	3/2015	Schlegel	
D727,558	S *	4/2015	Tang	D26/120
9,007,186	B1	4/2015	Krummey et al.	
D728,510	S *	5/2015	Cai	D14/203.5
D728,577	S *	5/2015	Amit	D14/435
D729,163	S *	5/2015	Meyer	D13/107
D729,216	S *	5/2015	Peng	D14/240
9,022,627	B2 *	5/2015	Lessard	F21S 48/1208 362/549
D735,700	S *	8/2015	Davis	D14/240
D736,434	S *	8/2015	Kuei-Lai	D26/28
D737,274	S *	8/2015	Kuo	D14/408
9,115,866	B2 *	8/2015	Hu	F21V 5/04
D737,713	S *	9/2015	Deyaf	D10/114.4
D738,246	S *	9/2015	McDonald	D10/104.1
9,133,996	B2 *	9/2015	Thibodeau	F21S 48/00
D740,692	S *	10/2015	Christie	D9/748
D742,269	S *	11/2015	Stein	D10/114.4
D742,770	S	11/2015	Windstrup et al.	
D743,359	S *	11/2015	Tatem	D14/125
D745,479	S *	12/2015	McManigal	D14/125
D747,228	S *	1/2016	Fiedler	D10/104.1
D748,590	S *	2/2016	Dorn	D13/174
D748,830	S *	2/2016	Gerardo	D26/28
D749,570	S *	2/2016	Lee	D14/344
D751,236	S *	3/2016	Renshaw	D26/89
2003/0081377	A1 *	5/2003	Lin	G06F 13/4286 361/679.02
2006/0050509	A9	3/2006	Dowling et al.	
2006/0109661	A1	5/2006	Coushaine et al.	
2009/0176391	A1 *	7/2009	Brock	H01R 13/5213 439/136
2009/0260963	A1 *	10/2009	Eto	G05G 1/02 200/293
2009/0321241	A1 *	12/2009	Zhen	H01H 13/14 200/532
2010/0116629	A1 *	5/2010	Borissov	H01H 25/008 200/4
2011/0031819	A1	2/2011	Gunwall	
2011/0098867	A1	4/2011	Jonsson et al.	
2015/0345699	A1 *	12/2015	Manniche	F16M 13/022 29/428
2015/0351266	A1 *	12/2015	Micko	H05K 5/0217 361/809

## OTHER PUBLICATIONS

Cloud-based platform third-party devices, image post date Oct. 10, 2013, site visited Mar. 10, 2016, (online), <<http://www.greentechmedia.com/articles/read/greenwave-lands-19m-for-the-home-energy-cloud>>.\*

EZ-Bridge-Ultra5, image post date Feb. 2, 2011, site visited Mar. 10, 2016, (online), <<http://web.archive.org/web/20110202091936/http://ez-bridge.com/>>.\*

HomeLink Broadband Network Bridge, image post date Aug. 8, 2000, site visited Mar. 10, 2016, (online), <<http://www.amazon.com/Cisco-Linksys-HomeLink-Broadband-Network-Bridge/dp/B00004SBA5>>.\*

Network Bridge Interface Module, image post date 1996, site visited Mar. 10, 2016, (online), <<http://www.marinco.com/en/80-911-0057-00>>.\*

Aeon Labs, Aeotec DSC24xxx-ZWUS Smart Switch Z-Wave Appliance Module Manual, Jan. 27, 2013, Retrieved from <http://www.smarthome.com/manuals/75514-ins.pdf> on Jun. 27, 2014.

D-Link Wi-Fi Smart Plug and Wi-Fi Motion Sensor, image post date Aug. 6, 2014, site visited May 7, 2015, (online), <<http://www.gadgetreview.com/2014/08/d-link-wi-fi-smart-plug-and-wi-fi-motion-sensor-review>>.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0005, May 29, 2014.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0001, May 29, 2014.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0002, May 29, 2014.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0003, May 29, 2014.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0004, May 29, 2014.

European Union Office for Harmonization in the Internal Market (OHIM), Registered Community Design No. 002473421-0006, May 29, 2014.

Heath/Zenith, Heath/Zenith Remote Control Products Operating Instructions, Apr. 19, 2006, Retrieved from <http://www.smarthome.com/manuals/25066.pdf> on Jun. 17, 2014.

Ingersol Rand, Schlage Nexia RP200RNX Z-Wave Wireless Plug-in Dimmer Module User Guide, 2011, Retrieved from <http://www.smarthome.com/manuals/51215.pdf> on Jun. 27, 2014.

Insteon, Insteon Hub Owner's Manual, Sep. 27, 2013, retrieved from <http://www.smarthome.com/manuals/2242-x22.pdf> on Jun. 27, 2014.

Insteon, Insteon Outdoor Wireless IP Camera Owners Manual, Aug. 27, 2012, retrieved from <http://www.smarthome.com/manuals/75791.pdf> on Jun. 27, 2014.

Motion Sensor Light Switches, image post date Aug. 14, 2015, site visited May 7, 2015, (online), <<http://web.archive.org/web/20140814060133/http://www.p-wholesale.com/e-store/M/M-99.html>>.

Mr.Beams, Installation Instructions for Wireless Motion Sensor LED Spotlight MB330/360, Sep. 24, 2013, Retrieved from <http://www.mrbeams.com/uploads/MB330-MB360%20Spotlight.pdf> on Jun. 27, 2014.

Netgear, Inc., Powerline 500 Wifi Access Point—XWNB5201 Data Sheet, Oct. 17, 2012, retrieved from [http://www.downloads.netgear.com/files/GDC/XWNB5201/XWNB5201\\_PA\\_DS\\_17Oct12.pdf](http://www.downloads.netgear.com/files/GDC/XWNB5201/XWNB5201_PA_DS_17Oct12.pdf) on Jun. 27, 2014.

Smarthome, Product page for Belkin F7D7602 NetCam HD Wi-Fi Camera with Night Vision, Jan. 24, 2013, retrieved from <http://www.smarthome.com/44120/Belkin-F7D7602-NetCam-HD-Wi-Fi-Camera-with-Night-Vision/p.aspx> on Jun. 27, 2014.

Vera Control, Ltd, Micasaverde Quick-Start Guide, Jan. 23, 2012, retrieved from <http://www.smarthome.com/manuals/13705-ins.pdf> on Jun. 27, 2014.

W z-wave motion sensor, image post date Oct. 17, 2013, site visited May 7, 2015, (online), <<https://www.tineye.com/search/9a4193be7351cb1d55a4dcfeffb89e397e0c5dbd/?pluginver=>>>.

Unpublished Design U.S. Appl. No. 29/540,768, filed Sep. 28, 2015.

\* cited by examiner

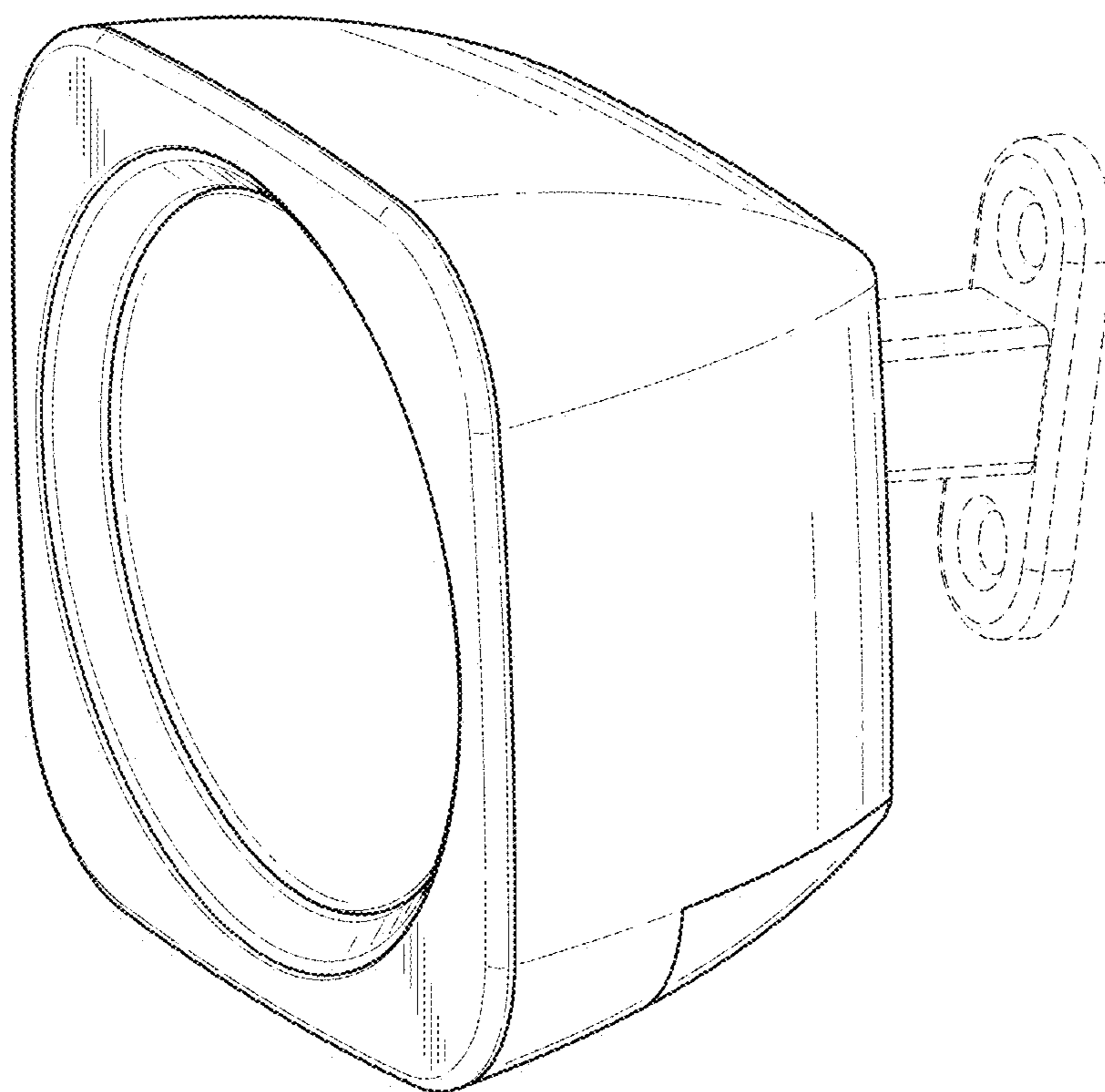


FIG. 1

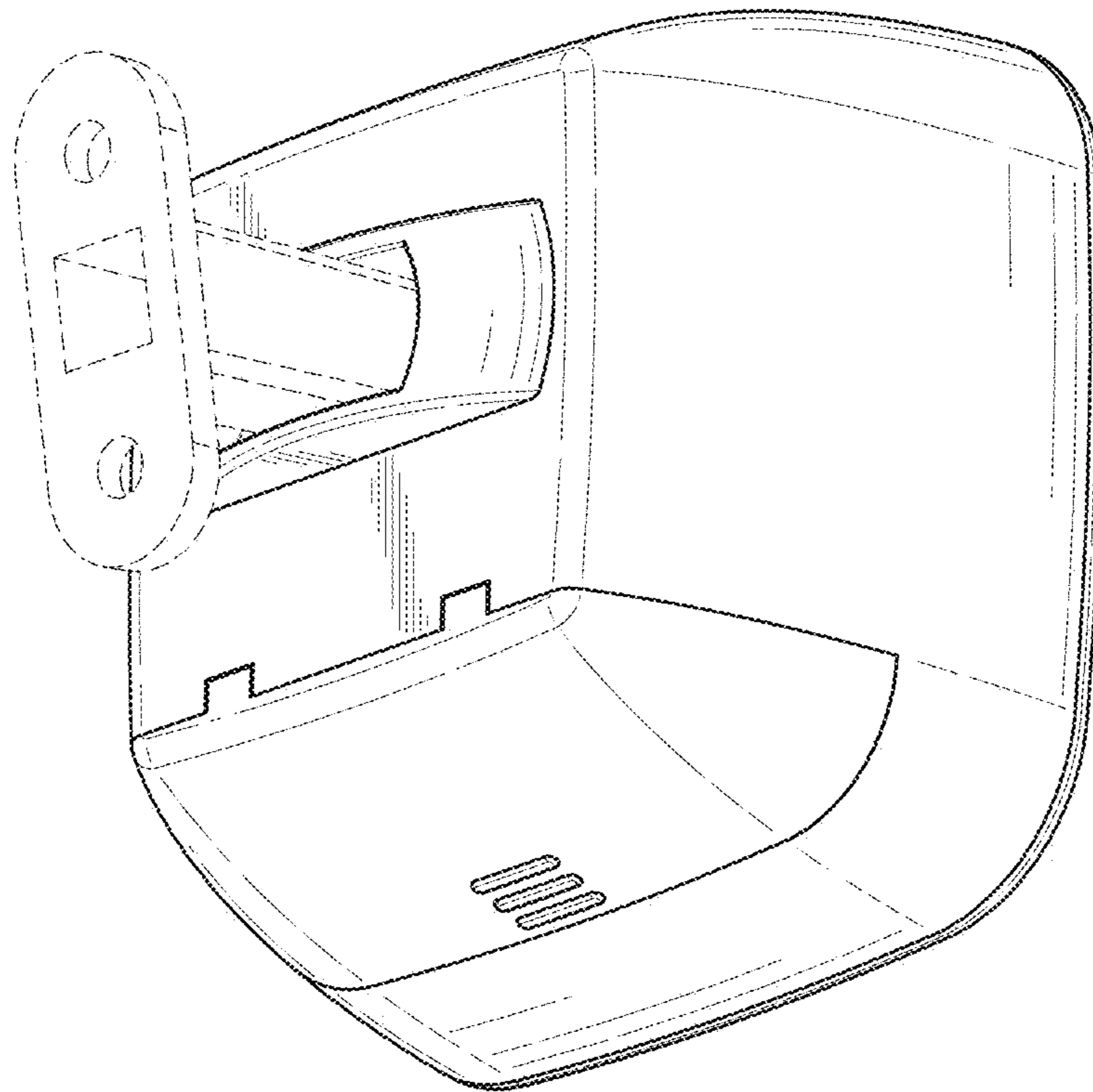


FIG. 2

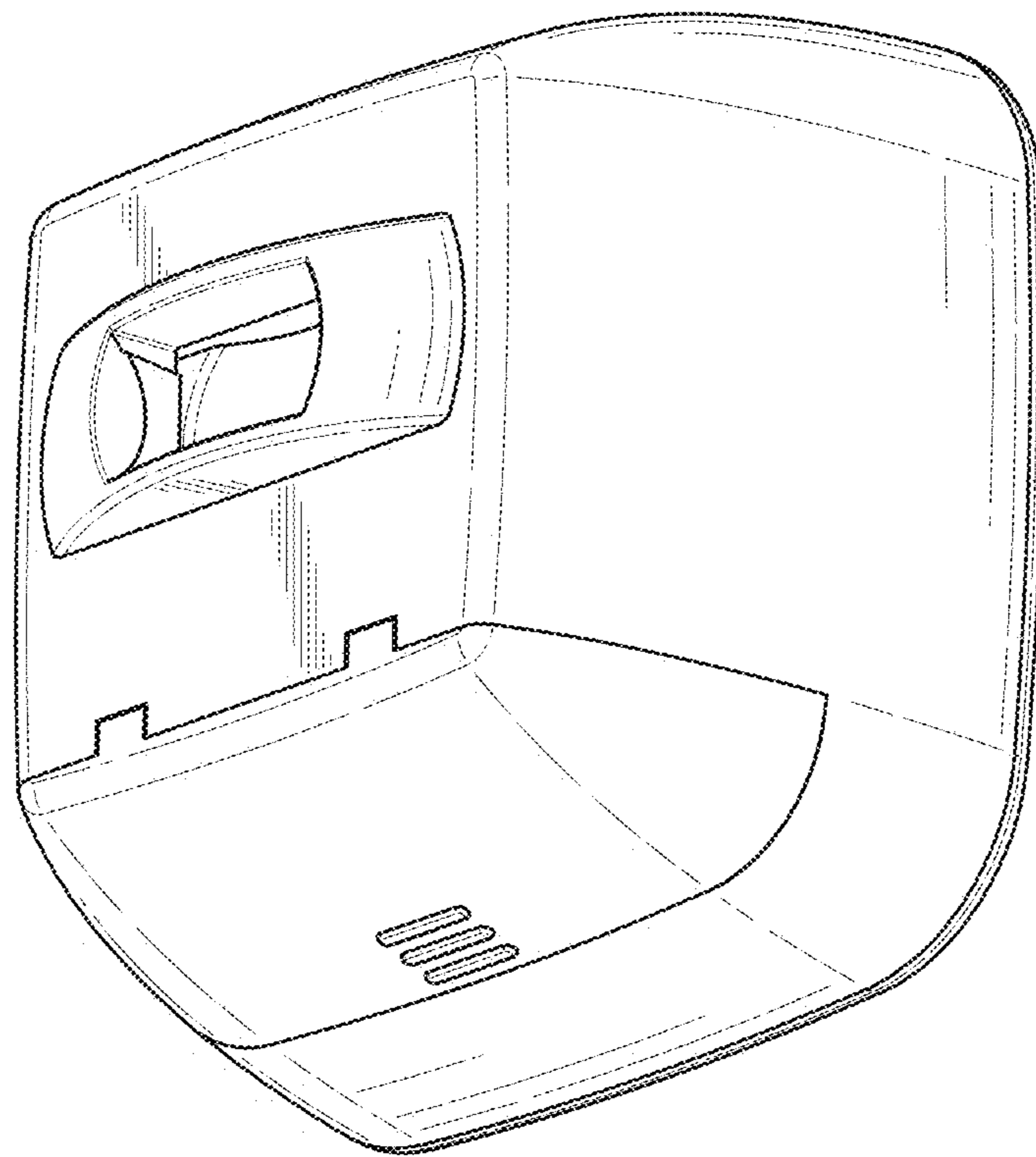


FIG. 3

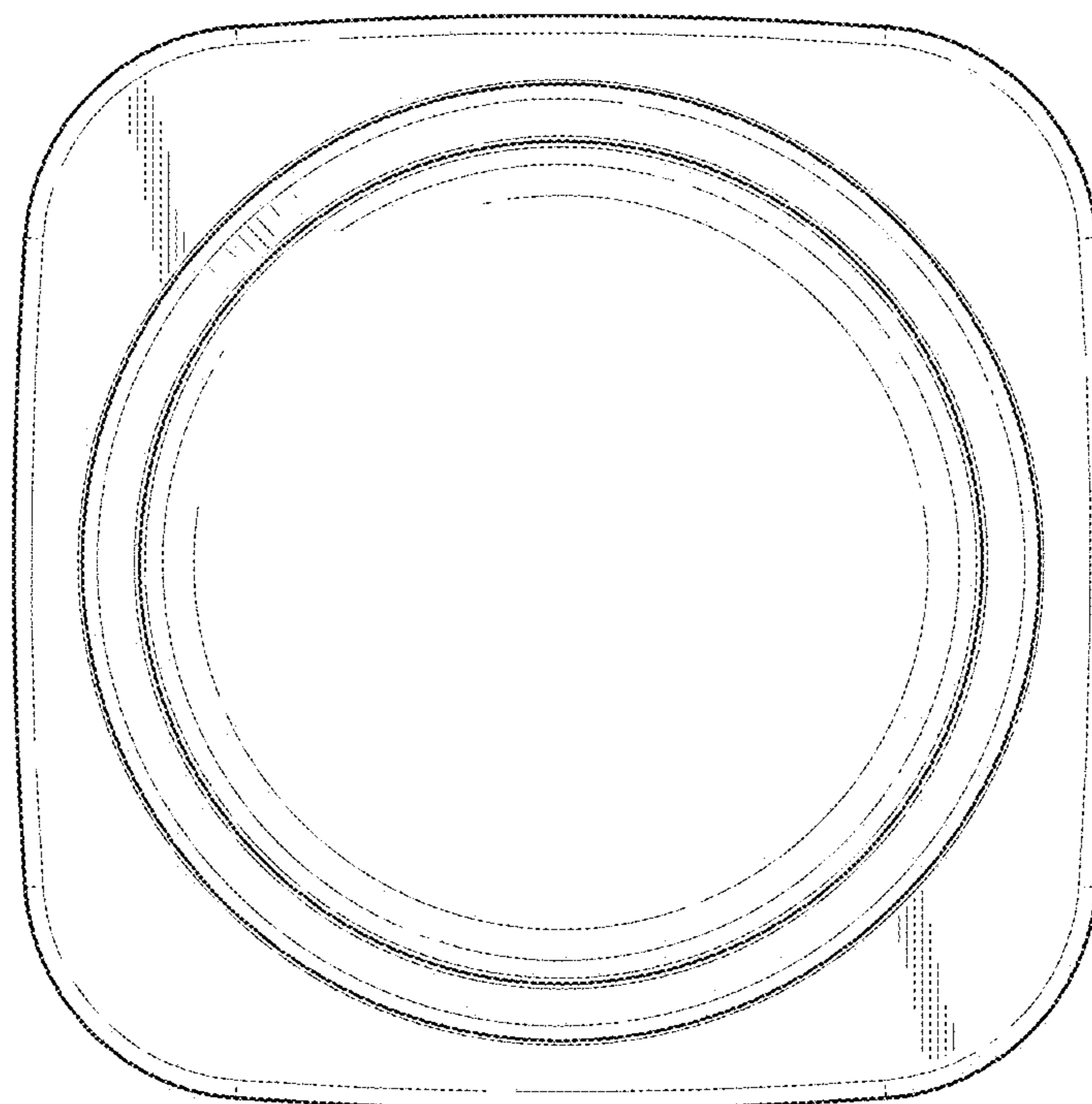


FIG. 4

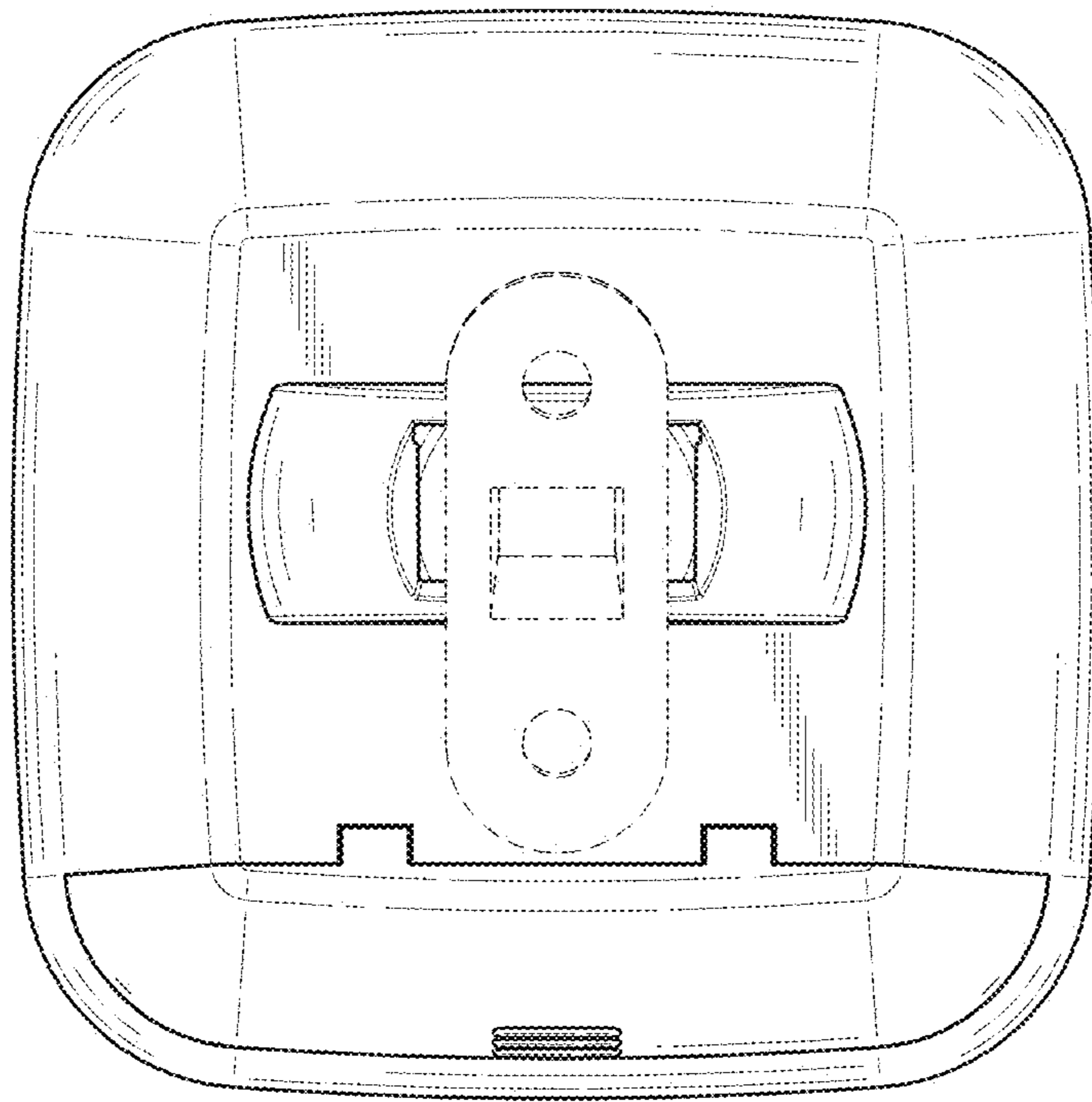


FIG. 5



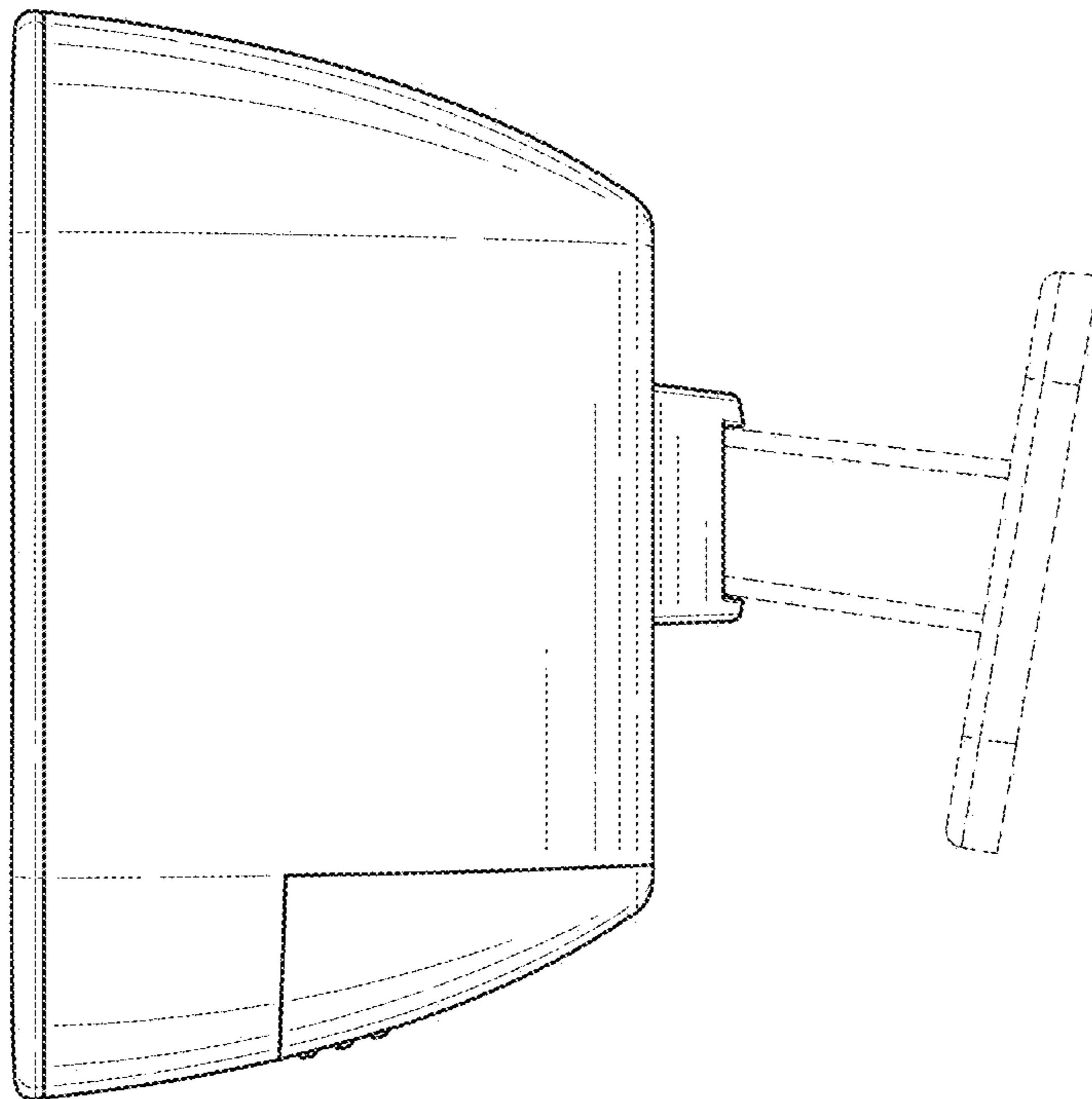


FIG. 6

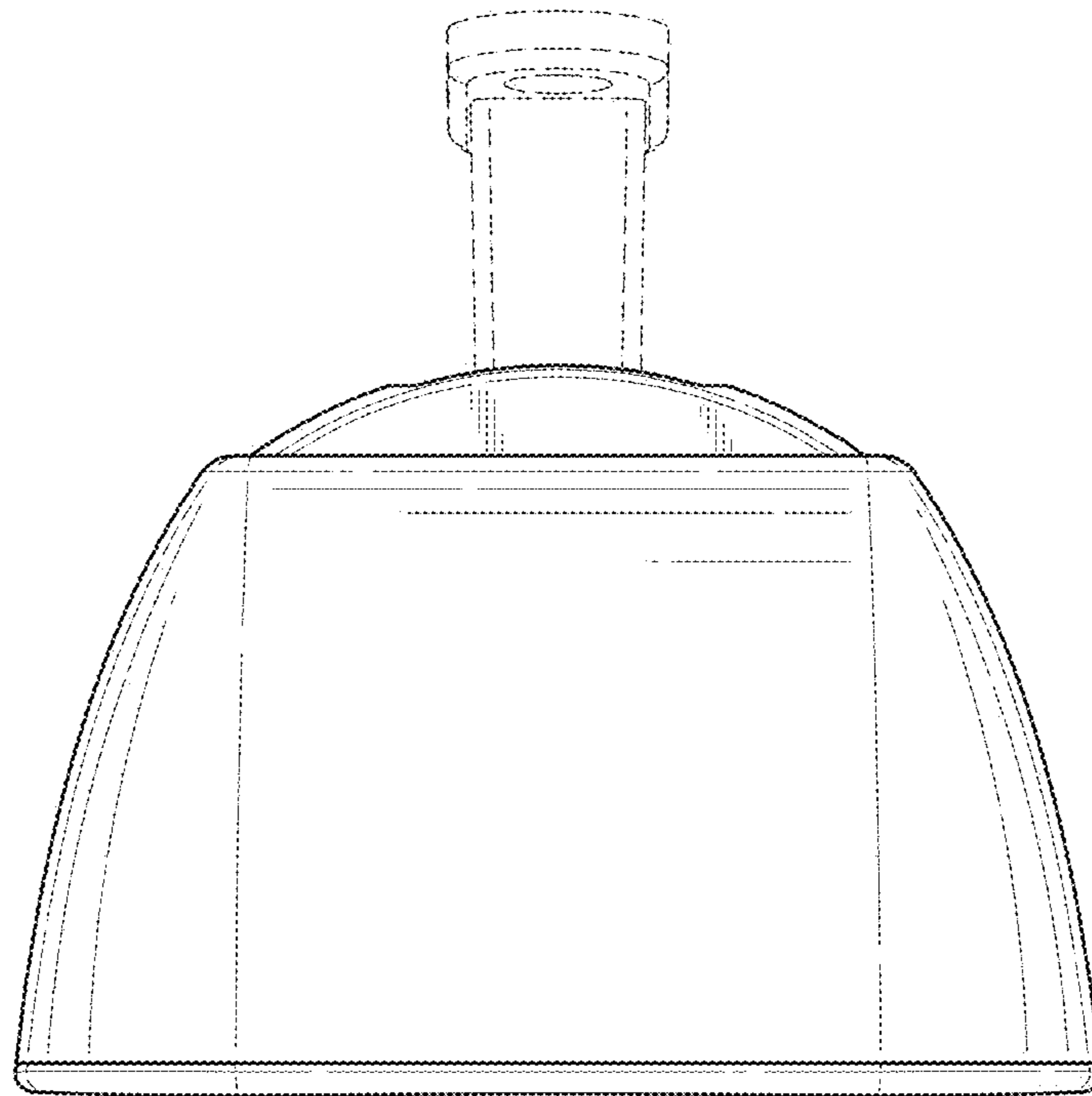


FIG. 7

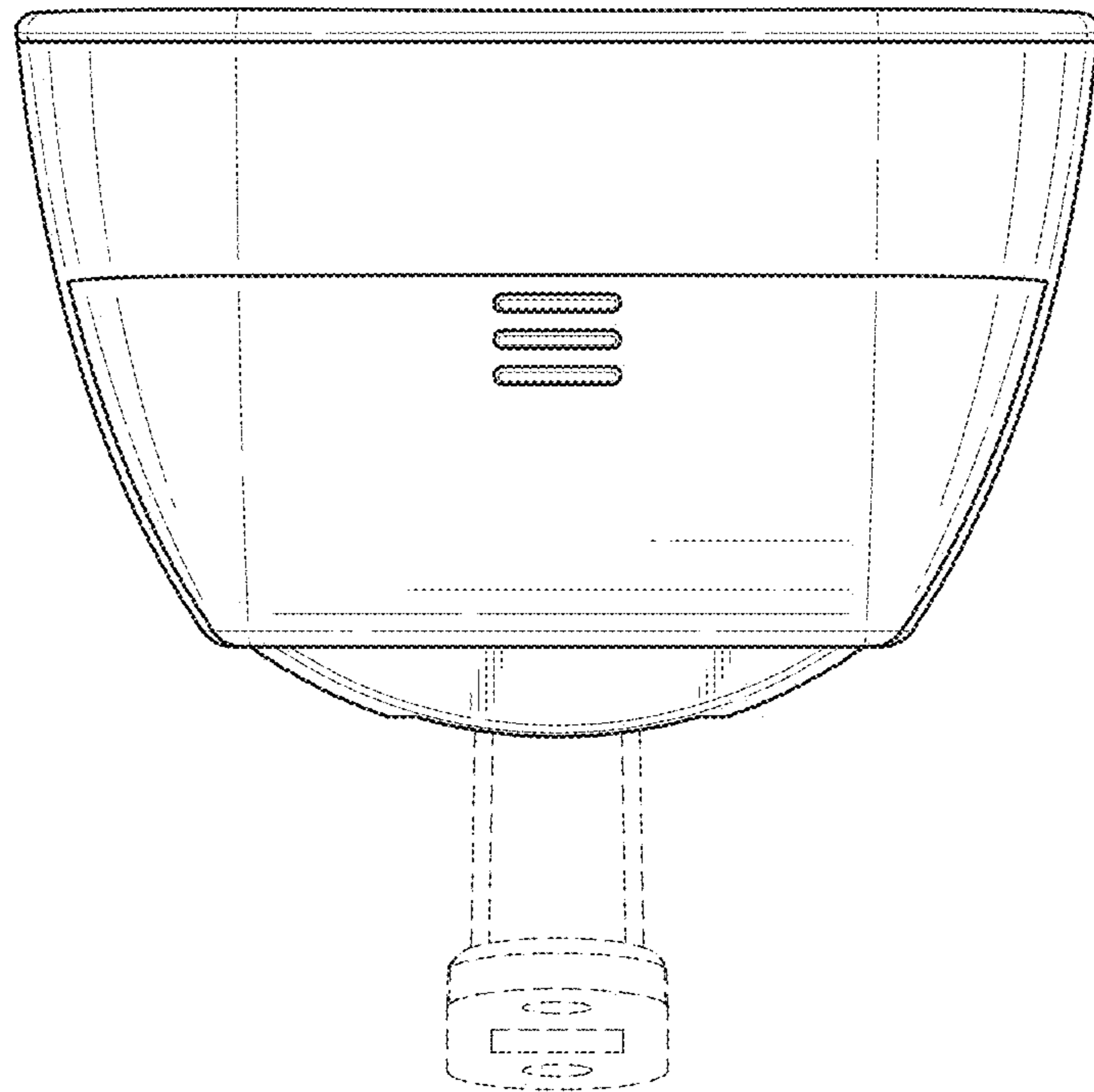


FIG. 8